

**What is claimed is:**

1. A high frequency switch comprising:
  - a first FET switch connected between an input and output (I/O) port and a transmission port;
  - 5 a second FET switch whose one end is connected between said I/O port and a reception port and the other end is ground;
  - a control port for controlling turning on and off of said first and second FET switches; and
  - a strip line connected between one end of said second FET switch and
  - 10 said I/O port, said strip line having an electrical length equivalent to  $1/4$  wavelength of a high frequency signal input from said transmission port.
2. The high frequency switch as defined in Claim 1, wherein a high frequency filter configured by capacitive coupling is provided at an end of said
- 15 reception port.
3. The high frequency switch as defined in Claim 2, wherein said high frequency filter is a SAW filter.
4. The high frequency switch as defined in Claim 2, wherein said high
- 20 frequency filter is a sharing device made by combining two SAW filters.
5. A high frequency switch comprising:
  - a first FET switch connected between an input and output (I/O) port
  - 25 and transmission port;

a strip line connected between said I/O port and a reception port, said strip line having an electrical length equivalent to  $1/4$  wavelength of a high frequency signal input from said transmission port;

a second FET switch whose one end is connected to said strip line to a  
5 side of said reception port and the other end is ground; and

a control port for controlling turning on and off of said first and second FET switches;

wherein said strip line is formed in an inner layer of a dielectric multilayer board, and said first and second FET switches are mounted on a surface of  
10 said multilayer board as a high frequency device.

6. The high frequency switch as defined in Claim 5, wherein an LC filter is connected to an end of said transmission port, said LC filter being formed in an inner layer of said multilayer board.

15

7. The high frequency switch as defined in Claim 5, wherein a SAW filter is connected to an end of said reception port, said SAW filter being mounted on the surface of said multilayer board.

20

8. The high frequency switch as defined in Claim 5, wherein a sharing device made by combining two SAW filters is connected to an end of said reception port, said sharing device being mounted on the surface of said multilayer board.